

DRILLER: REMOVE COPY AND RETAIN FOR YOUR RECORDS. RETURN COUNTY COPY TO COUNTY ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT OF ENVIRONMENT, 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224.

C1 3809	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			COUNTY NUMBER A518002

ST/CO USE ONLY DATE RECEIVED MM DD YY 8 13	DATE WELL COMPLETED MM DD YY 10/21/03 20	Depth of Well 22 400 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-3784 28 29 30 31 32 33 34 35 36 37
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OWNER Columbia Builders last name first name	STREET OR RFD 15155	TOWN Dayton
SUBDIVISION James Brown Prop	SECTION	LOT 1

WELL LOG		
Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	check if water bearing
Topsoil	0 2	
Brown shale	2 4	
brown slate	4 17	
Grayish/brown slate	17 55	✓
Tannish/brown slate	55 59	
blue slate	59 310	✓
bluish/gray slate w/ quartz	310 400	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	yes no Y N 44 44
TYPE OF GROUTING MATERIAL (Circle one)	
CEMENT CM	BENTONITE CLAY BC
NO. OF BAGS 45 46 13	NO. OF POUNDS 45 46 1300
GALLONS OF WATER 78	
DEPTH OF GROUT SEAL (to nearest foot)	
from 48 TOP 52	ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)	

CASING RECORD		
casing types insert appropriate code below	ST STEEL	CO CONCRETE
	PL PLASTIC	OT OTHER
	MAIN CASING TYPE	
	Nominal diameter top (main) casing (nearest inch)	
Total depth of main casing (nearest foot)		
60 61 63 64 66 70		

OTHER CASING (if used)	
each casing	diameter inch depth (feet) from to

SCREEN RECORD	
screen type or open hole	ST STEEL BR BRASS HO OPEN HOLE
(insert appropriate code below)	PL PLASTIC OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0
WELL HYDROFRACTURED yes no Y N

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 MWD 040
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. JWD 727

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.)	
1 2	38 400
8 9 11 15 17 21	
23 24 28 30 32 36	
38 39 41 45 47 51	
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH)	
56 60	
from to	

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68
68

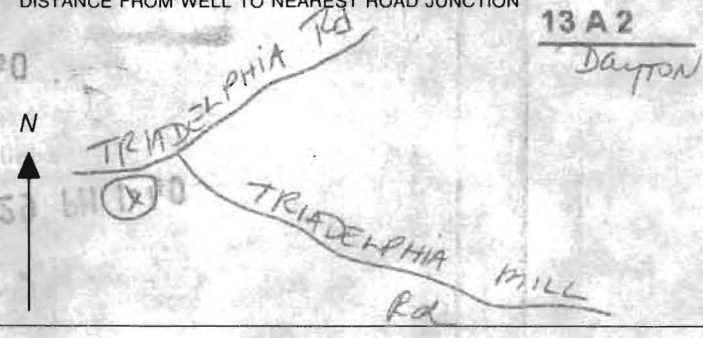
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE LOG INDICATOR

PUMPING TEST		
HOURS PUMPED (nearest hour)	3	
PUMPING RATE (gal. per min.)	15	
METHOD USED TO MEASURE PUMPING RATE	Bucket	
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	22 ft.	
WHEN PUMPING	35 ft.	
TYPE OF PUMP USED (for test)		
A air	P piston	T turbine
C centrifugal	R rotary	O other (describe below)
J jet	S submersible	

PUMP INSTALLED	
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)	YES NO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29	
CAPACITY: GALLONS PER MINUTE (to nearest gallon)	
31 35	
PUMP HORSE POWER	
37 41	
PUMP COLUMN LENGTH (nearest ft.)	
43 47	
CASING HEIGHT (circle appropriate box and enter casing height)	
above below	
LAND SURFACE (nearest foot)	
2	

LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
Prop line	
270.1	
Prop line	
+ Delaware Mill Rd	

<div style="display: flex; justify-content: space-between;"><div>B 1 0861</div><div>SEQUENCE NO. (MDE USE ONLY)</div></div> <div style="display: flex; justify-content: space-between; font-size: 10pt;"><div>1 2 3 6</div><div>STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 519071 please type</div><div>STATE PERMIT NUMBER 40-94-3784 fill in this form completely</div></div>		<div style="display: flex; justify-content: space-between;"><div>B 3</div><div>LOCATION OF WELL</div></div> <div style="display: flex; justify-content: space-between;"><div>8 COUNTY <u>Howard</u></div><div>CC# <u>21</u></div></div> <div style="display: flex; justify-content: space-between;"><div>23 SUBDIVISION <u>James Brown Property</u></div><div>42</div></div> <div style="display: flex; justify-content: space-between;"><div>SECTION <u>44</u> <u>46</u></div><div>LOT <u>48</u> <u>50</u></div></div> <div style="display: flex; justify-content: space-between;"><div>52 NEAREST TOWN <u>Dayton</u></div><div>71</div></div> <div style="display: flex; justify-content: space-between;"><div>MILES FROM TOWN (enter 0 if in town)</div><div><u>3</u> M <u>1</u> I</div></div> <div style="display: flex; justify-content: space-between;"><div>73</div><div>76 77 78</div></div>	

<div style="display: flex; justify-content: space-between;"><div>B 2</div><div>WELL INFORMATION</div></div> <div style="display: flex; justify-content: space-between;"><div>1 2</div><div>APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u></div><div>8 12</div></div> <div style="display: flex; justify-content: space-between;"><div>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>500</u></div><div>14 20</div></div>		<div style="text-align: center;">USE FOR WATER (CIRCLE APPROPRIATE BOX)</div> <div style="display: flex; flex-direction: column; align-items: flex-start;"><div><input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION</div><div><input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</div><div><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING</div><div><input type="checkbox"/> PUBLIC WATER SUPPLY WELL</div><div><input type="checkbox"/> TEST, OBSERVATION, MONITORING</div><div><input type="checkbox"/> GEO-THERMAL</div></div>	
<div style="display: flex; justify-content: space-between;"><div>APPROXIMATE DEPTH OF WELL <u>300</u> FEET</div><div>24 28</div></div> <div style="display: flex; justify-content: space-between;"><div>APPROXIMATE DIAMETER OF WELL <u>6</u> INCH</div><div>NEAREST</div></div>		<div style="text-align: center;">NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</div> <div style="display: flex; justify-content: space-between;"><div><u>Howard</u> COUNTY NAME</div><div><u>A518002</u> COUNTY NO.</div></div> <div style="display: flex; justify-content: space-between;"><div>STATE SIGNATURE <u>Mark E. Ripkin</u></div><div>INSERT S →</div></div> <div style="display: flex; justify-content: space-between;"><div>DATE ISSUED <u>08/18/03</u></div><div>41</div></div> <div style="display: flex; justify-content: space-between;"><div>43 MM DD YY 48</div><div>CO SIGNATURE</div><div>EXP. DATE</div></div> <div style="display: flex; justify-content: space-between;"><div>NORTH GRID <u>511</u></div><div>0 0 0</div><div>EAST GRID <u>0790</u></div><div>0 0 0</div></div> <div style="display: flex; justify-content: space-between;"><div>50</div><div>55</div><div>57</div><div>63</div></div>	
<div style="text-align: center;">METHOD OF DRILLING (circle one)</div> <div style="display: flex; justify-content: space-between;"><div>BORED (or Augered)</div><div>JETTED</div><div>Jettied & DRIVEN</div></div> <div style="display: flex; justify-content: space-between;"><div><u>AIR-ROTary</u></div><div>AIR-PERCussion</div><div>ROTARY (Hydraulic Rotary)</div></div> <div style="display: flex; justify-content: space-between;"><div>CABLE</div><div>REVerse-ROTary</div><div>Drive-POINT</div></div> <div>other _____</div>		<div style="text-align: center;">REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)</div> <div style="display: flex; flex-direction: column; align-items: flex-start;"><div><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL</div><div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div><div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</div><div><input type="checkbox"/> THIS WELL WILL DEEPEAN AN EXISTING WELL</div></div> <div style="display: flex; justify-content: space-between;"><div>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEANED (IF AVAILABLE) 41</div><div>52</div></div>	
<div style="text-align: center;">Not to be filled in by driller (MDE OR COUNTY USE ONLY)</div> <div style="display: flex; justify-content: space-between;"><div>APPROX. PERMIT NUMBER</div><div><u>G</u></div></div> <div style="display: flex; justify-content: space-between;"><div>PERMIT No. <u>40-94-3784</u></div><div>70 71 72 73 74 75 76 77 78 79</div></div>		<div style="display: flex; justify-content: space-between;"><div>SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X</div><div>9:30 9/24/03 grant NO INSP</div></div> <div style="display: flex; justify-content: space-between;"><div>SOURCES OF DRILLING WATER</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>1. wells</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>2.</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>3.</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>WRITE THE BOX NUMBER FROM THE MAP HERE</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div><u>790</u></div><div><u>511</u></div></div> <div style="display: flex; justify-content: space-between;"><div>E</div><div>N</div></div> <div style="display: flex; justify-content: space-between;"><div>DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION</div><div></div></div> <div style="text-align: center;"></div>	

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3784
Location of property (road) Fria, Mill Rd
Subdivision James Brown Prop Lot 1 Block Plat Sec.
Well Driller Easterday Owner Brown/Columbia Bldrs
Depth of well 400 25 gpm
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 22 ft

I. High rate pumping -- reservoir drawdown

Time pump started 1:30 Pumping rate 15 GPM
Total time to reach pumping water level 22 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

Depth of well _____
Distance of measuring point (M.P.) above ground _____
Static water level (S.W.L.) below M.P. _____

Time pump started _____ Pumping rate _____
Total time _____ to reach pumping water level _____ ft. below M.P.

[illegible]

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Robert L. Feezer Co. Inc Telephone #: 410-781-4655
Address: 6301 Barnett H Ave.
Sykesville, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): Robert L. Feezer License # 2122

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: _____ Telephone: _____
Subdivision: _____ Lot #: _____ Well Tag #: HO-94-3589
Site Address: 15179 Frederick M. HARR
Glennville, MD 21737

Submersible Pump Data

Make: Sta-K-R
Model #: SSP4002HL
Pump Capacity 5 GPM
Well Yield: 15 GPM

Pitless Adapter

Make: Campbell
Model #: PT 800
Depth: 42" (36" min)
NSF approved: ✓

Well Cap and Electric Conduit

Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 400 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt ✓

Piping to house

Type: Poly
PSI: 20 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: 5'
Sleeve caulked and sealed properly: ✓

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Robert L. Feezer

date 3/31/04
Inspected 3/4/04

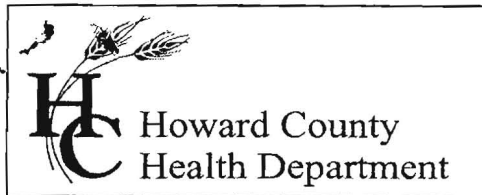
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____

Date Insp. Approved: 3/4/04 (50)

Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope installed inside of well casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pitless adapter ✓

BB



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-1771 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Pennv E. Borenstein, M.D., M.P.H., Health Officer

June 1, 2004

KD Builders, LLC
6420 Autumn Sky Way
Columbia, MD 21044

SENT VIA FACSIMILE 410-992-3020

RE: 15179 Triadelphia Mill Road
James Brown Property, Lot 1
BP # B00144749
Well Permit # HO-94-3784

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 05/17/2004. Final approval of the well line connection to the dwelling was approved on 03/04/2004.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3784. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 05/20/2004, 05/25/2004 & 05/28/2004
Date of Well Completion: 10/02/2003

Approving Authority,

Stuart Oster, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File